CLAIM AMENDMENTS:

1. (Currently amended) A method executed by a processor for enabling user context-aware notification in a mobile device, comprising:

gathering a user's physical context information from one or more sources wherein the user's physical context information includes current environment information for the user;

gathering user-specific location ~~and schedule~~ information from one or more sources, wherein the user-specific location includes at least a current location of a user;

gathering schedule information from one or more sources, wherein the schedule information includes a current activity of a user;

processing the user's physical context information and the user-specific location and the schedule information to derive user-context information;

processing user defined preferences if they exist, together with the derived user-context information; and

directing the mobile device to modify its behavior based on the results from the processing of the user context information and the user defined preferences if they exist.

2. (Previously presented) The method according to Claim 1 wherein the behavior includes one of disabling the mobile device notification, lowering a volume of the mobile device notification, raising the volume of the mobile device notification, entering a silent mode, entering a vibrate-only mode, emitting a beep from the mobile device, causing a display screen on the mobile device to flash and causing a light emitting diode ("LED") on the mobile device to blink.

3. (Previously canceled).

4. (Previously presented) The method according to Claim 1 wherein gathering the user's physical context information includes gathering at least one of ambient light

information, tactile information, ambient noise information, accelerometer information and orientation information.

5. (Currently amended) The method according to Claim1 wherein gathering user-specific location ~~and schedule information~~ further includes gathering at least one of ~~a user calendar information, a user location,~~ a time of day and a date.

6. (Previously presented) The method according to Claim 1 wherein gathering the user's physical context information includes gathering the user context information from at least one of a light sensor, a tactile sensor, an ambient noise microphone, an accelerometer and an orientation sensor.

7. (Currently amended) The method according to Claim 5 wherein gathering ~~the user specific location and~~ schedule information includes gathering ~~the other context~~ information from at least one of a user calendar program and the mobile device.

8. (Currently canceled)

9. (Currently amended) The method according to Claim 1 ~~8~~ wherein the user defined preferences if they exist include at least one of a default set of preferences, a customized set of preferences and a learned set of preferences.

10. (Currently amended) A~~n~~ processing apparatus, comprising:

at least one processing module capable of

gathering ~~and processing~~ user physical context information wherein the user's physical context information includes current environment information for the user, ~~and~~

gathering user-specific location information ~~and schedule information~~ from one or more sources wherein the user-specific location includes at least a current location of a user;

gathering schedule information from one or more sources, wherein the schedule information includes a current activity of a user;

processing the user's physical context information and the user-specific location and the schedule information to derive user-context information;

processing user defined preferences if they exist, together with the derived user-context information; and

the at least one processing module further capable of directing the mobile device to modify its behavior based on the results from the processing of the user context information and the user defined preferences if they exist.

11. (Previously canceled).

12. (Currently amended) The processing apparatus according to Claim 10 wherein the at least one processing module is further capable of gathering at least one of light information, tactile information, ambient noise information, accelerometer information and orientation information.

13. (Currently amended) The processing apparatus according to Claim 10 wherein the at least one processing module is further capable of gathering at least one of a user calendar information, a user location, a time of day and a date.

14. (Currently amended) The processing apparatus according to Claim 10 further comprising at least one of:

a light sensor;

a tactile sensor;

an ambient noise microphone;

an accelerometer; and

an orientation sensor.

15. (Currently canceled)

16. (Currently amended) The processing apparatus according to Claim 10 wherein the at least one processing module comprises a preprocessing module and a context processing module.

17. (Currently amended) An article comprising a machine-accessible medium having stored thereon instructions that, when executed by a machine, cause the machine to:

gather a user's physical context information from one or more sources wherein the user's physical context information includes current environment information for the user;

gather user-specific location ~~and schedule~~ information from one or more sources, wherein the user-specific location includes at least a current location of a user;

gather schedule information from one or more sources, wherein the schedule information includes a current activity of a user;

process the user's physical context information and the user-specific location and the schedule information to derive user-context information;

process user defined preferences if they exist, together with the derived user-context information; and

direct the mobile device to modify its behavior based on the results of the processing of the user context information and the user defined preferences if they exist.

18. (Original) The article according to Claim 17 wherein the instructions, when executed by the machine, further cause the machine to direct the mobile device to perform at least one of disabling the mobile device notification, lowering the volume of the mobile device notification and raising the volume of the mobile device notification.

19. (Original) The article according to Claim 18 wherein the instructions, when executed by the machine, further cause the machine to gather physical context information and other context information.

20. (Original) The article according to Claim 19 wherein the instructions, when executed by the machine, further cause the machine to gather at least one of light information, tactile information, ambient noise information, accelerometer information and orientation information.

21. (Currently amended) The article according to Claim 19 wherein the instructions, when executed by the machine, additionally ~~further~~ cause the machine to gather at least one of ~~a user calendar information, a user location,~~ a time of day and a date.

22. (Previously presented) The article according to Claim 19 wherein the instructions, when executed by the machine, further cause the machine to gather the user's physical context information from at least one of a light sensor, a tactile sensor, an ambient noise microphone, an accelerometer and an orientation sensor.

23. (Currently amended) The article according to Claim 19 wherein the instructions, when executed by the machine, further cause the machine to gather the user ~~specific location and~~ schedule information from at least one of a user calendar program and the mobile device.

24. (Currently canceled)